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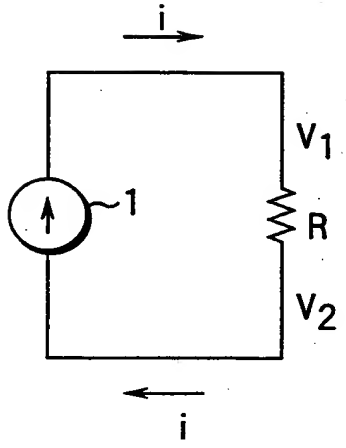

FIG. 1
PRIOR ART

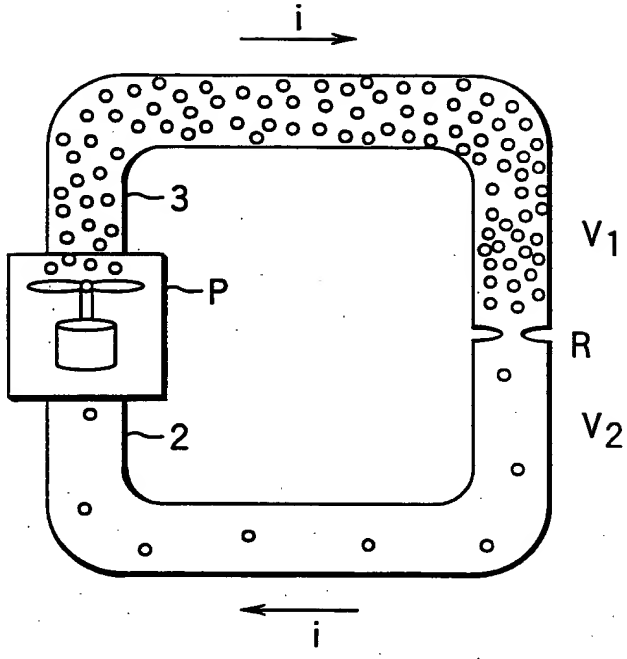

FIG. 2

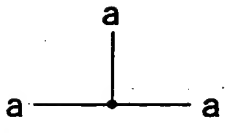

FIG. 3A

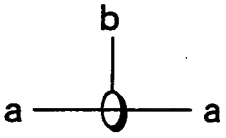

FIG. 3B

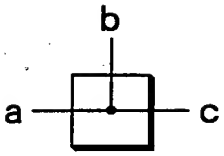

FIG. 3C

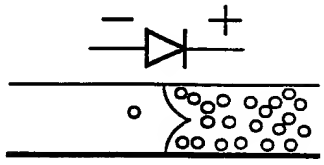

FIG. 4A

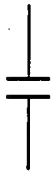

FIG. 5A

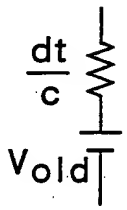

FIG. 5B

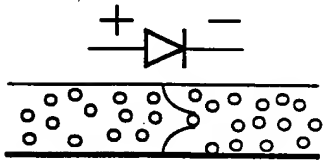

FIG. 4B

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FIG. 6A

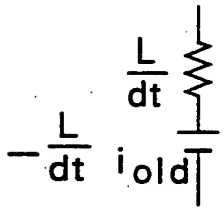

FIG. 6B

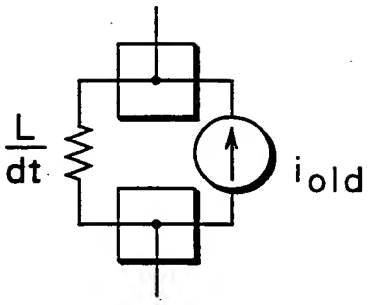

FIG. 6C

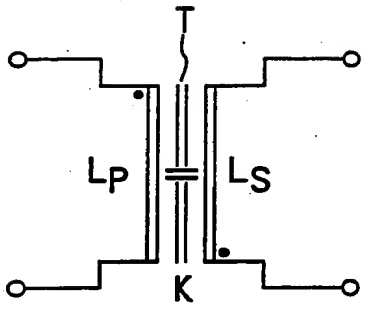

FIG. 7

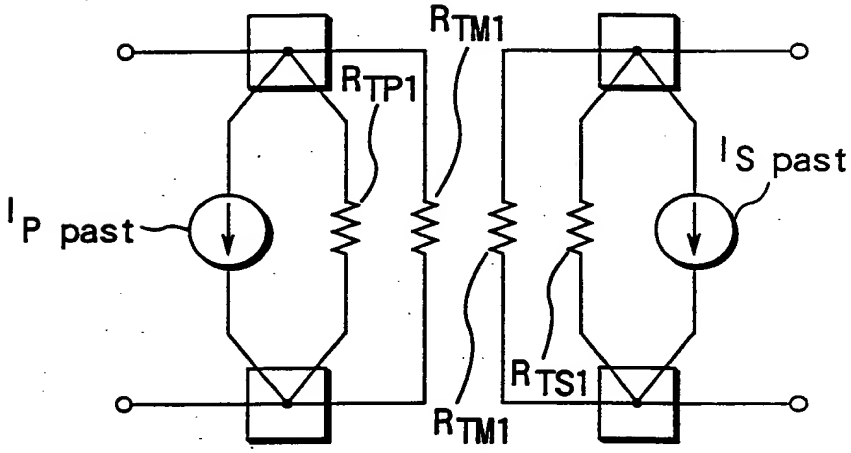

FIG. 8

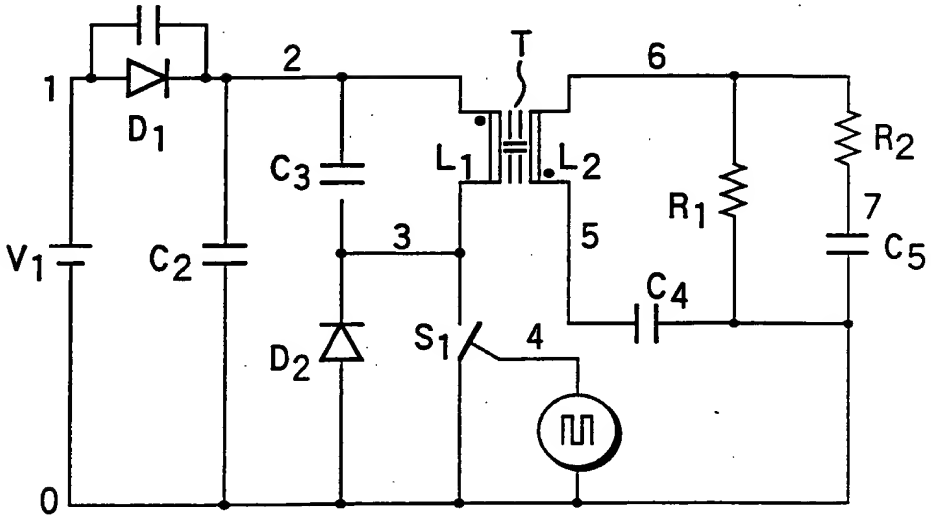

FIG. 9

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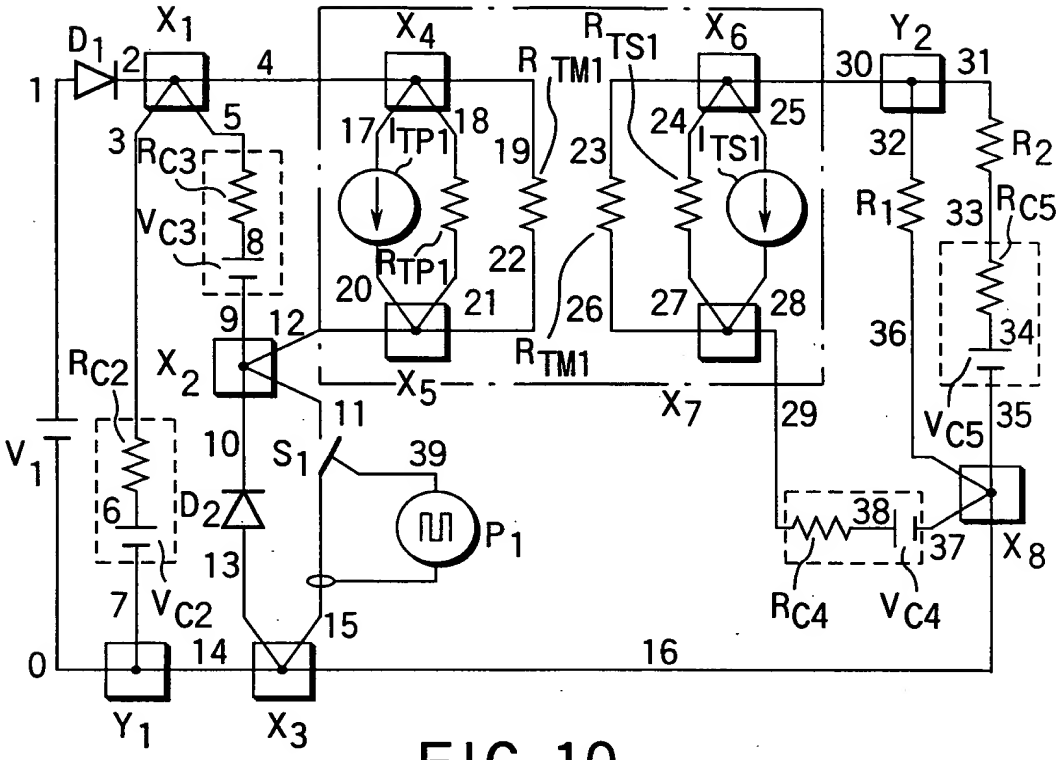

FIG. 10

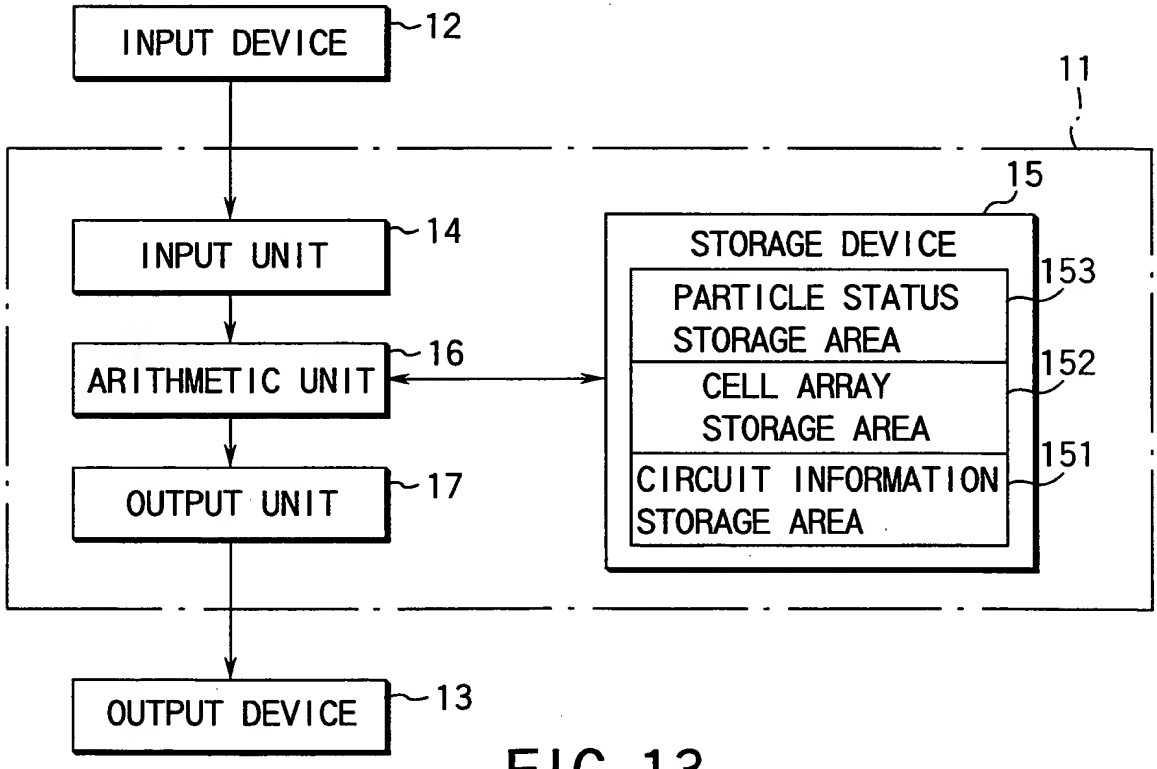

FIG. 13

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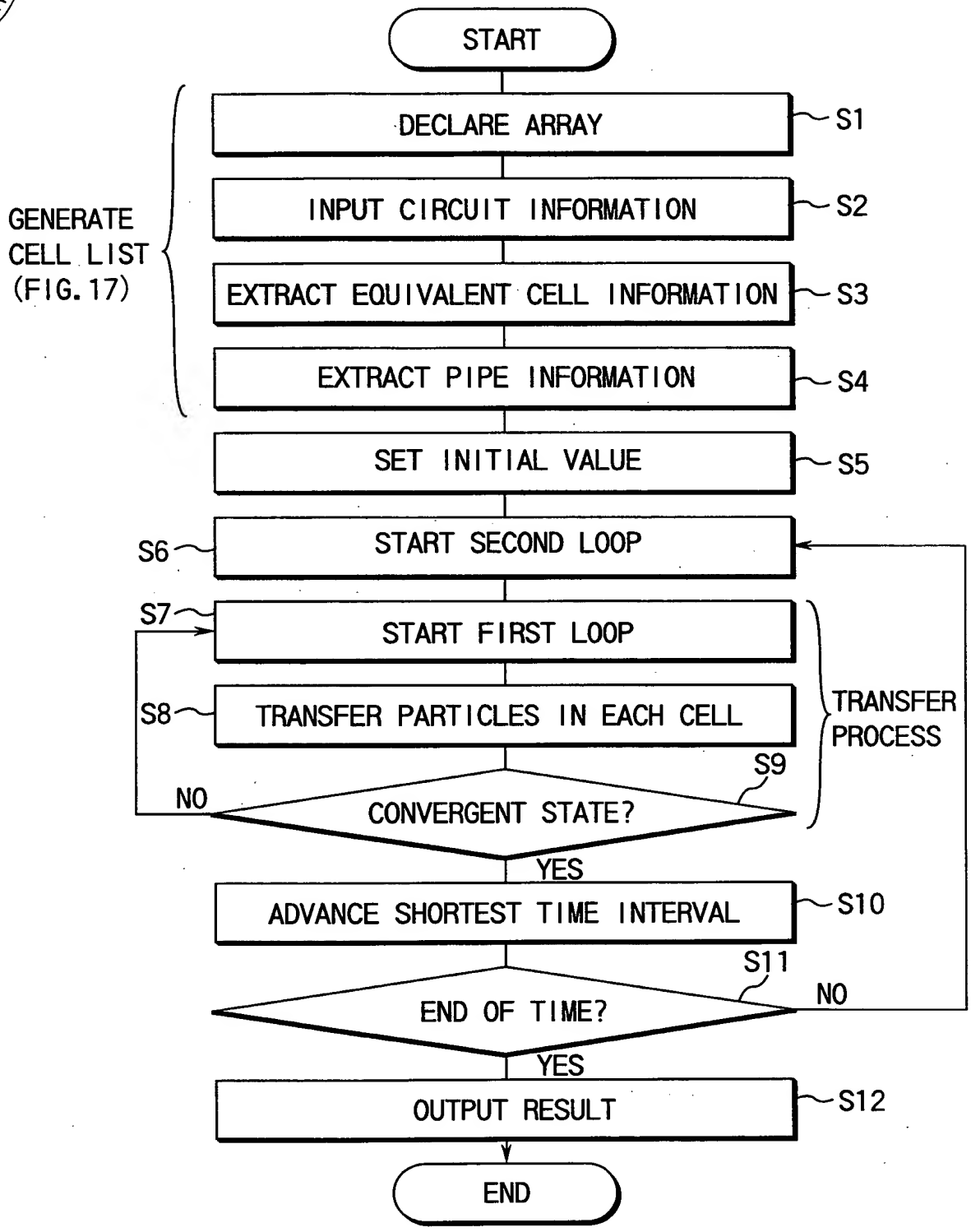

FIG. 11

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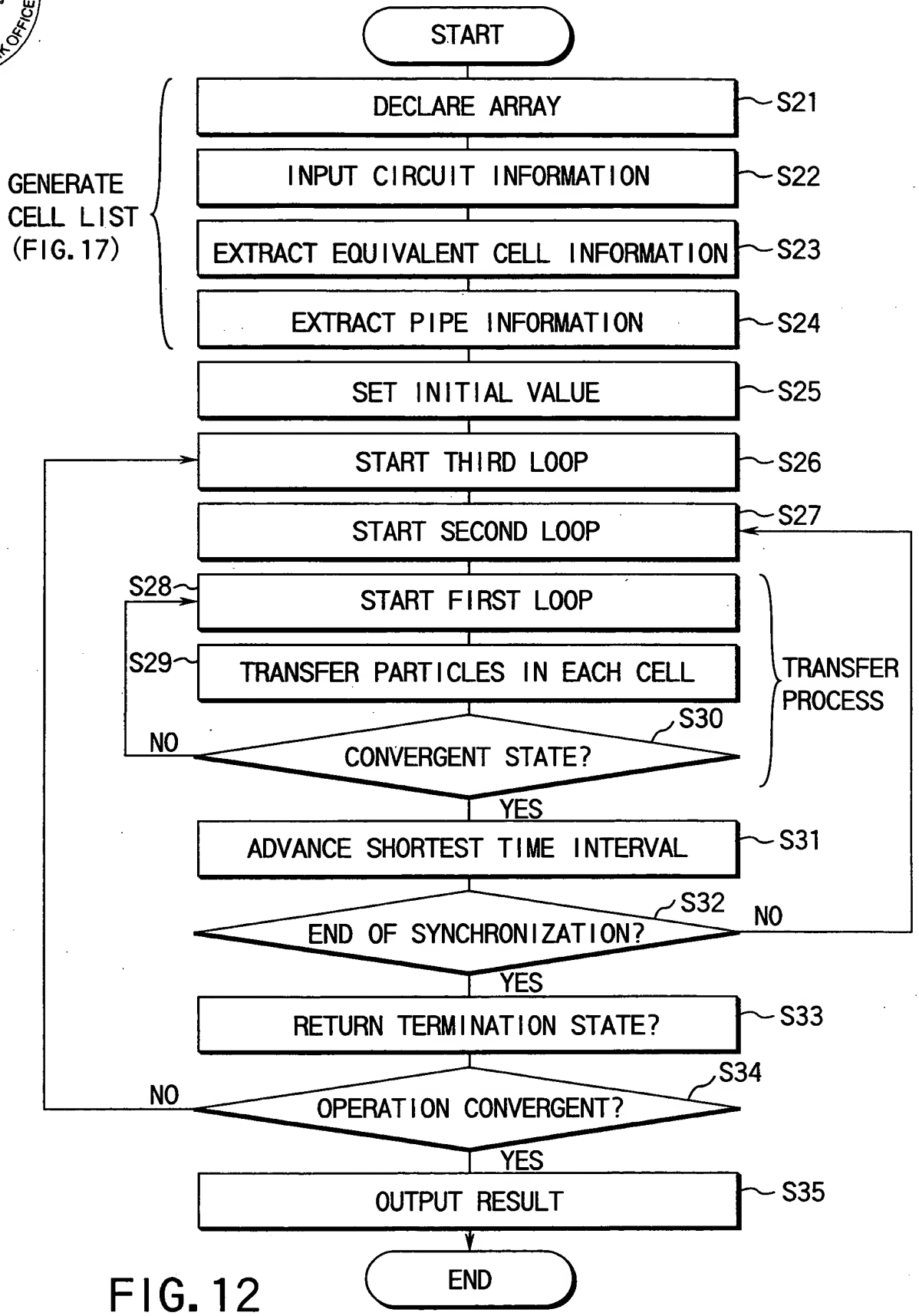

FIG. 12

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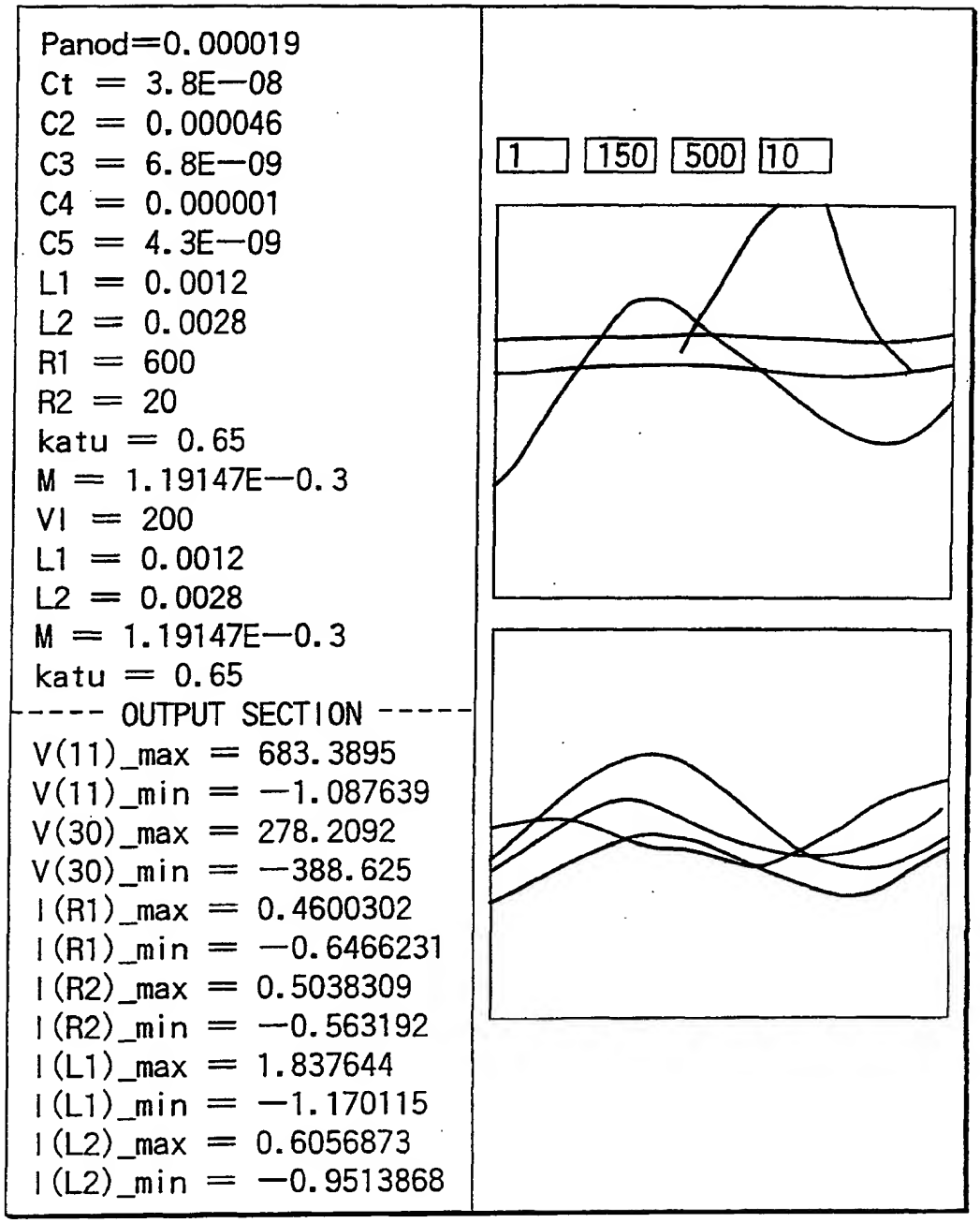

FIG. 14

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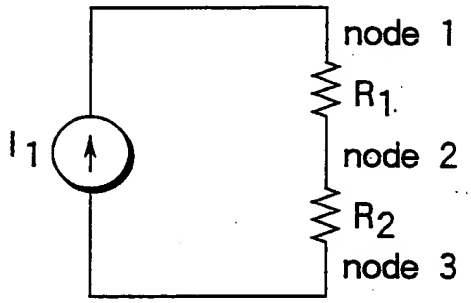

FIG. 15
Prior Art

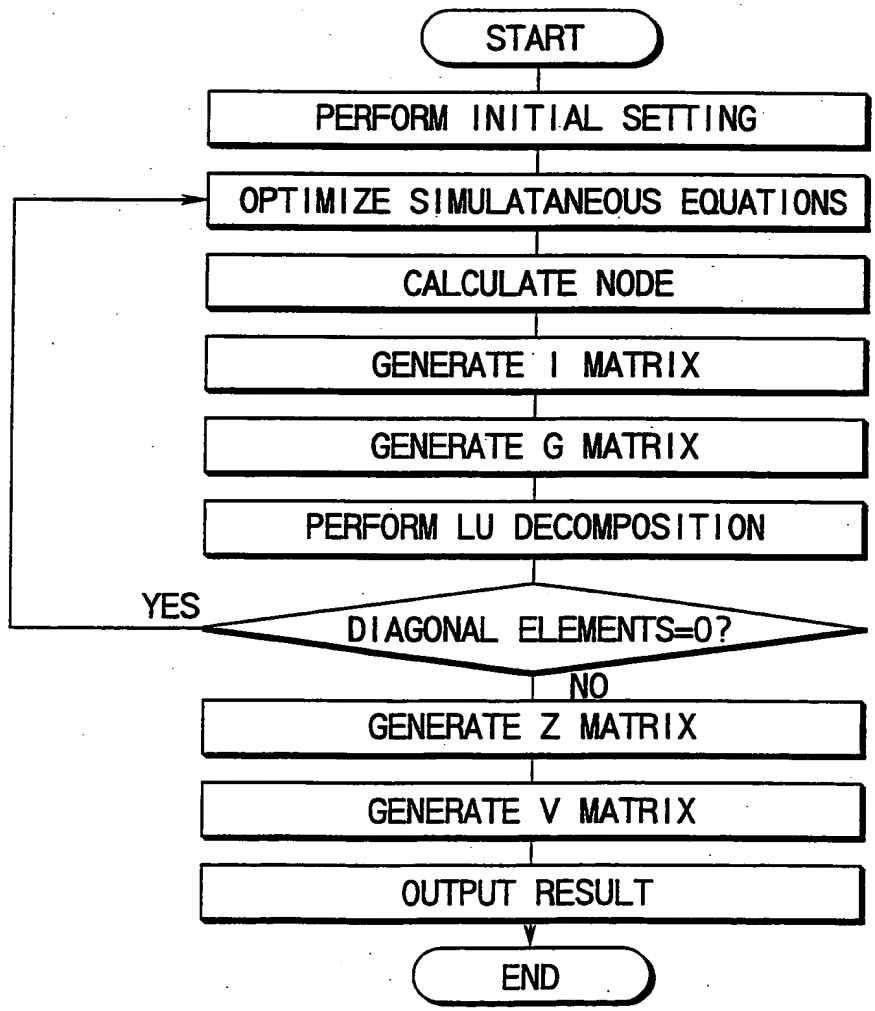

FIG. 16
Prior Art

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CELL LIST			
CELL NUMBER	CONNECTION NODE NUMBER		UNIQUE INFORMATION
NME$(1)="V1":	NP(1)=1:	NM(1)=0:	DTA(1)=V1
NME$(2)="D1":	NP(2)=1:	NM(2)=2:	
NME$(3)="X1":	NP(3)=2:	NM(3)=3:	N3(3)=4: N4(3)=5
NME$(4)="X2":	NP(4)=9:	NM(4)=10:	N3(4)=11: N4(4)=12
NME$(5)="Y1":	NP(5)=0:	NM(5)=7:	N3(5)=14:
NME$(6)="$R_{C2}$":	NP(6)=3:	NM(6)=6:	DTA(6)=dt/C2
NME$(7)="$V_{C2}$":	NP(7)=6:	NM(7)=7:	DTA(7)=0
NME$(8)="X1":	NP(8)=2:	NM(8)=3:	N3(8)=4: N4(8)=5
NME$(9)="RC3":	NP(9)=5:	NM(9)=8:	DTA(9)=dt/C3
NME$(10)="$V_{C3}$":	NP(10)=8	NM(10)=9:	DTA(10)=0
NME$(11)="D2":	NP(11)=13:	NM(11)=10:	
NME$(12)="S1":	NP(12)=11:	NM(12)=15:	N3(12)=39: N4(12)=15: DTA(12)=1
NME$(13)="X3":	NP(13)=13:	NM(13)=14:	N3(13)=15: N4(13)=16
NME$(14)="P1":	NP(14)=39:	NM(14)=15:	DTA(14)=50: DTA2(14)=0: DTA3(14)=223
NME$(15)="X4":	NP(15)=4:	NM(15)=17:	N3(15)=18: N4(15)=19
NME$(16)="X5":	NP(16)=12:	NM(16)=20:	N3(16)=21: N4(16)=22
NME$(17)="$R_{TP1}$":	NP(17)=18:	NM(17)=21:	DTA(17)=L1*(1-ketu*ketu)/dt
NME$(18)="$R_{TM1}$":	NP(18)=23:	NM(18)=26:	DTA(18)=(L1*L2-M*M)/(M*dt)
NME$(19)="$I_{TP1}$":	NP(19)=20:	NM(19)=17:	DTA(19)=0
NME$(20)="X6":	NP(20)=23:	NM(20)=24:	N3(20)=25: N4(20)=30
NME$(21)="X7":	NP(21)=26:	NM(21)=27:	N3(21)=28: N4(21)=29
NME$(22)="$R_{TS1}$":	NP(22)=24:	NM(22)=27:	DTA(22)=L2*(1-ketu*ketu)/dt
NME$(23)="$R_{TM1}$"	NP(23)=19:	NM(23)=22:	DTA(23)=(L1*L2-M*M)/(M*dt)
NME$(24)="$I_{TS1}$":	NP(24)=28:	NM(24)=25:	DTA(24)=0
NME$(25)="Y2":	NP(25)=30:	NM(25)=31:	N3(25)=32
NME$(26)="R1":	NP(26)=32:	NM(26)=36:	DTA(26)=R1
NME$(27)="R2":	NP(27)=31:	NM(27)=33:	DTA(27)=R2
NME$(28)="X8":	NP(28)=35:	NM(28)=36:	N3(28)=37: N4(28)=16
NME$(29)="RC5":	NP(29)=33:	NM(29)=34:	DTA(29)=dt/C5
NME$(30)="$V_{C5}$":	NP(30)=34:	NM(30)=35:	DTA(30)=0
NME$(31)="RC4":	NP(31)=29:	NM(31)=38:	DTA(31)=dt/C4
NME$(32)="$V_{C4}$":	NP(32)=38:	NM(32)=37:	DTA(32)=0
new_i=32			

FIG. 17